



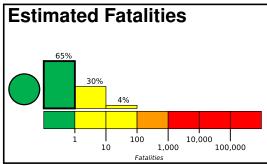


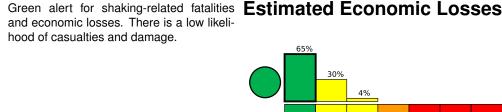
PAGER Version 3

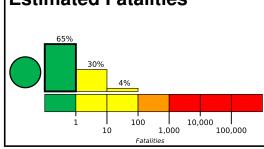
Created: 1 day, 0 hours after earthquake

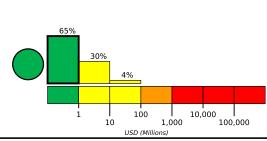
M 5.8, 124 km ENE of Ohonua, Tonga

Origin Time: 2021-09-20 18:34:48 UTC (Mon 06:34:48 local) Location: 21.0860° S 173.7782° W Depth: 10.0 km









Estimated Population Exposed to Earthquake Shaking

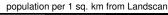
ESTIMATED POPULATION EXPOSURE (k=x1000)		_*	92k	0	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	11-111	IV	V	VI	VII	VIII	IX	X+
PERCEIVE	SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

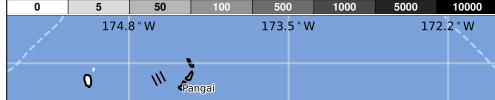
^{*}Estimated exposure only includes population within the map area.

Population Exposure

20.8°S

21.9°S





Structures

Overall, the population in this region resides in structures that are highly vulnerable to earthquake shaking, though some resistant structures exist. The predominant vulnerable building types are unknown/miscellaneous types and wood construction.

Historical Earthquakes

Date	Dist.	Mag. Max		Shaking
(UTC)	(km)		MMI(#)	Deaths
1977-06-22	286	8.0	VII(47k)	0
1983-03-21	162	6.7	VII(53k)	_
2006-05-03	109	8.0	VIII(7k)	0

Selected City Exposure

from G	eoNames.org	
MMI	City	Population
Ш	'Ohonua	1k
Ш	Pangai	2k
Ш	Vaini	3k
Ш	Haveluloto	3k
Ш	Nuku'alofa	22k

bold cities appear on map.

100

(k = x1000)

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.